

Title (en)

METHOD FOR ELIMINATING PATHOGENS IN PLANT GROWING AND CORRESPONDING SYSTEM

Title (de)

VERFAHREN ZUR BESEITIGUNG VON KRANKHEITSERREGERN IM PFLANZENANBAU UND ENTSPRECHENDES SYSTEM

Title (fr)

PROCÉDÉ POUR ÉLIMINER DES PATHOGÈNES DANS UNE CULTURE DE PLANTE ET SYSTÈME CORRESPONDANT

Publication

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Application

EP 20824960 A 20201102

Priority

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Abstract (en)

[origin: WO2021084164A1] The invention relates to a method for eliminating pathogenic microbes from an object such as crops and/or a growing/storage space, the pathogenic microbes having stages sensitive to ozone during their life cycle, such as dried mycelia and spores, zoospores and sensitive mycelia that are unaccustomed to light. The method includes the production of an ozone water solution and the treatment of the object with the ozone water solution. In addition, • the evaporation rate is set in such a manner that the drying of the water on the surfaces takes 5-300 minutes, • the pathogenic spores and/or organisms on the object are placed in a resting condition and an absorbent state by the drying before the treatment with the ozone water solution, • the ozone water treatment is carried out on the parts of the crops above ground or on hard surfaces with large droplets in such a manner that the ozone concentration of the ozone water solution on the surface to be treated is 100-3000 ppb, advantageously 200 -1000 ppb, whereby said spores and/or organisms absorb the ozone together with the sprayed water and die. A further object of the invention is a corresponding system for the elimination of pathogenic microbes.

IPC 8 full level

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See references of WO 2021084164A1

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